INDEX

PAGE

ALTSHILLER, N., On the Teixeira Construction of the Unicursal Cubic.... 9

BLUMBERG, HENRY, A Theorem on Exhaustible Sets Connected with Developments of Positive Real Numbers..... 136

BRAY, H. E., Elementary Properties of the Stieltjes Integral..... 177

CLAWSON, JOHN WENTWORTH, The Complete Quadrilateral..... 232

CURTIS, MARY F., The Existence of the Functions of the Elliptic Cylinder. 23

DANIELL, P. J., Integrals in an Infinite Number of Dimensions..... 281

DICKSON, L. E., On Quaternions and Their Generalization and the History of the Eight Square Theorem..... 155

DICKSON, L. E., On Quaternions and Their Generalization and the History of the Eight Square Theorem. Addenda..... 297

DINES, LLOYD L., Systems of Linear Inequalities..... 191

EISENHART, LUTHER PFAHLER, Triply Conjugate Systems with Equal Point Invariants..... 262

GILLESPIE, D. C., Repeated Integrals..... 224

GLENN, O. E., Invariants which are Functions of Parameters of the Transformation..... 125

GRONWALL, T. H., The Gamma Function in the Integral Calculus. *To be continued*..... 35

GRONWALL, T. H., The Gamma Function in the Integral Calculus. *Concluded*..... 77

GRONWALL, T. H., On the Shortest Line Between Two Points in Non-Euclidean Geometry..... 200

GRONWALL, T. H., On a System of Linear Partial Differential Equations of the Hyperbolic Type..... 274

GRONWALL, T. H., Note on the Derivatives with Respect to a Parameter of the Solutions of a System of Differential Equations..... 292

HORTON, G. P., Functions of Limited Variation and Lebesque Integrals... 1

MILLER, G. A., Relations Between Abstract Group Properties and Substitution Groups..... 229

MOORE, R. L., and KLINE, J. R., On the Most General Plane Closed Point-Set Through Which it is Possible to Pass a Simple Continuous Arc.... 218

PELL, ALEXANDER, Solution of the Differential Equation $dx^2 + dy^2 + dz^2 = ds^2$ and its Application to Some Geometrical Problems..... 142

PFEIFFER, G. A., The Functional Equation $f[f(x)] = g(x)$..... 13

POST, EMIL L., The Generalized Gamma Functions 202
RITT, J. F., On the Differentiability of the Solution of a Differential Equation with Respect to a Parameter 289
SEELY, DR. CAROLINE E., Non-Symmetric Kernels of Positive Type 172
SMAIL, L. L., A General Method of Summation of Divergent Series 149
WEAVER, JAMES H., Some Properties of Circles and Related Conics 279
WHITTEMORE, J. K., A Kinematical Property of Ruled Surfaces 187

PRESS OF
THE NEW ERA PRINTING COMPANY
LANCASTER, PA.

INDEX

PAGE

ADAMS, E. P., The Potential of Ring-shaped Discs 259

ALEXANDER, J. W., A Proof of Jordan's Theorem about a Simple Closed Curve 180

BELL, E. T., On the Enumeration of Proper and Improper Representations in Homogeneous Forms 166

BENNETT, A. A., Continuous Matrices, Algebraic Correspondences, and Closure 299

BRAY, H. E., A Green's Theorem in Terms of Lebesgue Integrals 141

BRINK, R. W., A New Sequence of Integral Tests for the Convergence and Divergence of Infinite Series 39

COOLIDGE, J. L., The Circle Nearest to n Given Points, and the Point Nearest to n Given Circles 94

COOLIDGE, J. L., The Fundamental Theorem of Celestial Mechanics 224

COON, E. M., and GORDON, R. L., Singular Solutions of Differential Equations of the Second Order 98

DANIELL, P. J., Functions of Limited Variation in an Infinite Number of Dimensions 30

DANIELL, P. J., Further Properties of the General Integral 203

ETTLINGER, H. J., Existence Theorem for the Non-Self-Adjoint Linear System of the Second Order 278

FRANKLIN, P., Calculation of the Complex Zeros of the Function $P(z)$ Complementary to the Incomplete Gamma Function 61

GORDON, R. L., see COON, E. M.

GRONWALL, T. H., see JENSEN, J. L. W. V.

HALLETT, G. H., Jr., Linear Order in Three Dimensional Euclidean and Double Elliptic Spaces 185

HILDEBRANDT, T. H., On Pseudo-Resolvents of Linear Integral Equations in General Analysis 323

JAMES, GLENN, On the Theory of Summability 120

JENSEN, J. L. W. V., Investigation of a Class of Fundamental Inequalities in the Theory of Analytic Functions. Authorized translation by T. H. GRONWALL 1

KLINE, J. R., Concerning Sense on Closed Curves in Non-Metrical Plane Analysis Situs 118

LEFSCHETZ, S., Algebraic Surfaces, Their Cycles and Integrals 225

LOVE, C. E., Note on a Class of Integral Equations of the Second Kind 104

STANFORD LIBRARIES

MOORE, C. L. E., Surfaces of Rotation in a Space of Four Dimensions 81
RIETZ, H. L., Urn Schemata as a Basis for the Development of Correlation Theory 306
SILVERMAN, L. L., On the Consistency and Equivalence of Certain Generalized Definitions of the Limit of a Function of a Continuous Variable. 128
SMAIL, L. L., Summability of Double Series 221
TOWNSEND, E. J., Total Differentiability 64
TOWNSEND, E. J., Total Differentiability. A Correction 276
VANDIVER, H. S., A Property of Cyclotomic Integers and its Relation to Fermat's Last Theorem 73
WHITTEMORE, J. K., Motion in a Resisting Medium 291
WIENER, N., Bilinear Operations Generating all Operations in a Rational Domain Ω 157

STANFORD
LIBRARIES